

Title (en)

Improved public key/signature cryptosystem with enhanced digital signature certification.

Title (de)

Kryptosystem mit öffentlichem Schlüssel und/oder Unterschrift und mit digitaler Unterschriftsbeglaubigung.

Title (fr)

Système cryptographique à clé publique et/ou signature et à certification de la signature numérique.

Publication

**EP 0386867 B1 19941026 (EN)**

Application

**EP 90300322 A 19900111**

Priority

US 31978089 A 19890307

Abstract (en)

[origin: EP0586022A1] A public key cryptographic system is disclosed with enhanced digital signature certification which authenticates the identity of the public key holder. A hierarchy of nested certifications and signatures are employed which indicate the authority and responsibility levels of the individual whose signature is being certified. The certifier in constructing a certificate generates a special message that includes fields identifying the public key which is being certified, and the name of the certifier. The certificate is constructed by the certifier to define the authority which is being granted and which may relate to wide range of authorizations, delegation responsibilities or restrictions given to, or placed on the certifier. Methodology is also disclosed by which multiple objects such as, for example, a cover letter, an associated enclosed letter, an associated graphics files, etc, are signed together. Methodology is also disclosed for digitally signing documents in which a digital signature is generated for both computer verification and for reverification if a document needs to be reconfirmed by reentering from a paper rendition. <IMAGE>

IPC 1-7

**H04L 9/32**

IPC 8 full level

**G06F 1/00** (2006.01); **G06F 21/00** (2013.01); **G06Q 20/00** (2012.01); **G07B 17/00** (2006.01); **G09C 1/00** (2006.01); **G09C 5/00** (2006.01); **H04L 9/32** (2006.01)

CPC (source: EP US)

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GB2362970B; EP0956673A4; EP2757737A1; EP1055989A1; EP0667577A1; EP0547837A3; GB2337145A; GB2337145B; GB2359969A; GB2359969B; EP1054364A3; FR2884089A1; GB2366469A; GB2366469B; AU698454B2; NO337079B1; EP1355447A1; DE19820484C1; GB2293737A; EP0654920A3; US8584245B2; US8032743B2; US6772342B1; US6826690B1; US7328341B1; US7529926B2; US8171523B2; US7925591B2; WO9519672A3; WO9905819A1; WO2006106224A1; WO0073879A1; US7302585B1; US7904730B2; EP1297654A1; WO0145056A1; WO0062242A1; WO0180482A1; WO2014111236A1; WO9826537A1; WO9602993A3

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